

**ABSTRACT**

5

The present invention concerns a device (DISP) for treating at least one surface of an object, having a first input (E1) for receiving objects (OBJ1) coming from a loader (CHRG) intended to contain a plurality of such objects, and including at least one operating chain having an input intended to receive objects from the first input (E1) of the device (DISP).

The device according to the invention has a second input (E2) for receiving objects (OBJ2) supplied individually by a user of the device (DISP), each operating chain being capable of receiving objects (OBJ2) inserted through said second input (E2).

The invention makes it possible to perform in series or one at a time several different types of surface treatment, by means of a device which can furthermore be implemented in a more compact form than the known devices.

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION  
EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la Propriété  
Intellectuelle  
Bureau international



(43) Date de la publication internationale  
18 septembre 2003 (18.09.2003)

PCT

(10) Numéro de publication internationale  
**WO 03/076200 A1**

(51) Classification internationale des brevets<sup>7</sup> : **B41J 13/12**,  
B65H 1/06, B41J 13/00

Yves [FR/FR]; 258, avenue des Séquoias, F-44300 Nantes  
(FR). **GODARD, Didier** [FR/FR]; 242, rue du Dauphin,  
F-44370 Varades (FR).

(21) Numéro de la demande internationale :  
PCT/FR02/00883

(74) Mandataire : **MAILLET, Alain**; Cabinet Le Guen &  
Maillet, 5, place Newquay, Boîte Postale 70250, F-35802  
Dinard Cedex (FR).

(22) Date de dépôt international : 12 mars 2002 (12.03.2002)

(25) Langue de dépôt : français

(81) États désignés (*national*) : AE, AG, AL, AM, AT, AU, AZ,  
BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,  
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI,  
SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN,  
YU, ZA, ZM, ZW.

(26) Langue de publication : français

(71) Déposant (*pour tous les États désignés sauf US*) : **EVOLIS  
CARD PRINTER SA** [FR/FR]; 17, rue de la Claie, Z.I.  
Angers-Beaucouzé, F-49070 Beaucouzé (FR).

(72) Inventeurs; et

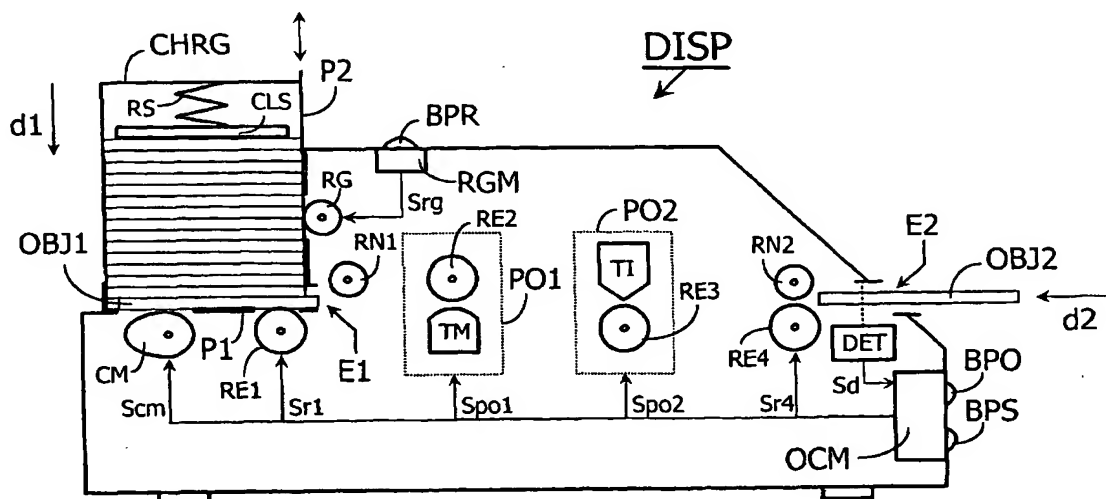
(84) États désignés (*régional*) : brevet ARIPO (GH, GM, KE,  
LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), brevet

(75) Inventeurs/Déposants (*pour US seulement*) : **LIATARD,**

[Suite sur la page suivante]

(54) Title: DEVICE FOR SURFACE TREATMENT OF OBJECTS WITH REDUCED SIZE AND IMPROVED ERGONOMICS

(54) Titre : DISPOSITIF DE TRAITEMENT DE SURFACE D'OBJETS A ENCOMBREMENT REDUIT ET ERGONOMIE  
AMELIOREE



(57) Abstract: The invention relates to a device (DISP) for treating at least one surface of an object with a first input (E1) for the objects (OBJ1) coming from a magazine (CHRG) containing a plurality of said objects and comprising at least one operating system with an input for accepting objects from the first input (E1) of the device (DISP). According to the invention, the device has a second input (E2) for accepting objects (OBJ2) individually provided by a user of the device (DISP), each operating system being capable of accepting objects (OBJ2) inserted through said second input (E2). The invention permits several types of treatment on different surfaces to be carried out in series or step by step, by means of a device which can be produced in a more compact form than conventional devices.

[Suite sur la page suivante]